

Amendments to the Claims

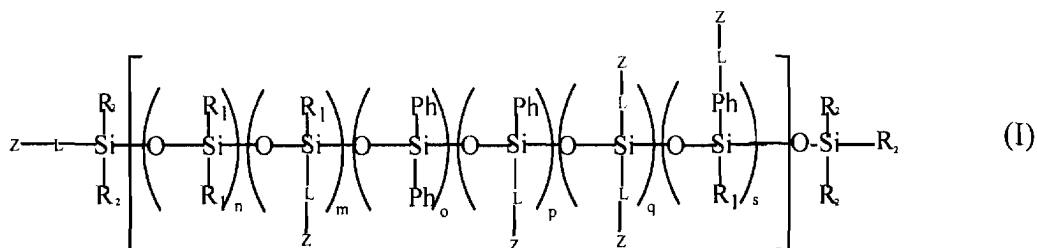
This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

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1.-4. (Cancelled)

5. (Currently Amended) A biomedical implant comprising a polymer that is cured from a composition comprising a A random or block macromonomer of general formula:



wherein

L is a spacer group;

Z is a crosslinkable group, and the macromonomer contains at least one pendant Z;

each R₁ is independently C₁ to C₆ alkyl or perfluorinated C₁ to C₆ alkyl;

each R₂ is independently an R₁ or L-Z group;

the molar percentage of:

n is from 50 up to but not including 100%;

m is from 0 to 10%;

o is from 0 to 50%;

p is from 0 to 2%, and o + p = 0 when L or R₁ contain fluorine;

q is from 0 to 2%;

s is from 0 to 2%;

the molecular weight of the macromonomer being more than 3,000; and

wherein

the macromonomer is curable in vivo and when polymerized to form a the cured polymer, the polymer has ~~an elasticity (E)~~ a shear modulus as measured by a Micro Fourier Rheometer between 0.1 and 5 kPa.

6.-7. (Cancelled)

8. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 in which both terminal Si residues are bound to identical or different L-Z groups.

9.-10. (Cancelled)

11. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 in which Z is an acryl or substituted acryl, methacryl or functional analogue of (meth)acryl capable of undergoing crosslinking reactions with a photoinitiator.

12.-13. (Cancelled)

14. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 in which Z is an isocyanate or epoxy group.

15. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 in which L is a linear, branched or cyclic hydrocarbon chain, optionally including hetero atoms or carbonyl.

16.-17. (Cancelled)

18. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 in which m is from 0 up to 5% and o is from 0 up to 25%.

19. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 in which the total molar percentage of $m + p + q + s$ is less than 1%.

20.-21. (Cancelled)

22. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 including di-aromatic substitutions along the backbone or perfluorinated alkyl substitutions on the backbone.

23. (Cancelled)

24. (Currently Amended) The biomedical implant ~~A-macromonomer~~ according to claim 5 wherein the macromonomer has ~~having~~ a molecular weight of between 60,000 and 160,000.

25.-31. (Cancelled)

32. (Currently Amended) The biomedical implant of claim 5, wherein the implant ~~An~~ is an intraocular lens ~~formed from a macromonomer according to claim 5.~~

33.-35. (Cancelled)

36. (New) The biomedical implant of claim 5, wherein the implant is a breast implant.

37. (New) The biomedical implant of claim 5, wherein the implant is a soft tissue replacement.

38. (New) The biomedical implant of claim 5, wherein the implant is a soft tissue filling agent.

39. (New) The biomedical implant of claim 5, wherein the implant is a

vitreous/aqueous humor replacement.

40. (New) The biomedical implant of claim 5, wherein the composition has a viscosity of 1,000 – 60,000 cS at 25°C and the polymer comprises at least 80% of the macromonomer by weight.